

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

5470.373WO		FOR FURTHER ACTION	see Notific (Form PC below.	cation of Transmittal of International Search Report T/ISA/220) as well as, where applicable, item 5			
	m/71000/00/04		(Earliest) Priority Date (day/month/year) 30 July 2002 (30.07.2002)				
Applicant UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL							
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.							
This international search report consists of a total of sheets. It is also accompanied by a copy of each prior art document cited in this report.							
Basis of the Report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.							
the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:							
	contained in the international application in written form.						
	filed together with the international application in computer readable form.						
	furnished subsequently to this Authority in written form.						
	furnished subsequently to th	is Authority in computer readable f	orm.				
	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.						
	the statement that the information been furnished.	nation recorded in computer readabl	e form is	identical to the written sequence listing has			
2.	Certain claims were found unsearchable (See Box I).						
	Unity of invention is lacking (See Box II).						
4. With reg	With regard to the title,						
	the text is approved as subm	* ***					
Ш	the text has been established	by this Authority to read as follow	s:	·			
5. With res	gard to the abstract.						
<u> </u>	the text is approved as subm	itted by the applicant.					
	••	• ••	Authorits	as it appears in Box III. The applicant			
	may, within one month from Authority.	the date of mailing of this internat	ional searc	ch report, submit comments to this			
6. The figure of the drawings to be published with the abstract is Figure No.							
1	as suggested by the applican			None of the figures			
	because the applicant failed	to suggest a figure.		_			
because this figure better characterizes the invention.							
Form PCT/ISA/210 (first sheet) (fully 1008)							

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/20491

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A01N 59/00 US CL : 424 / 600 According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols) U.S.: 424 / 600						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) STN						
C. DOC	UMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where		Relevant to claim No.			
A	Datatbase CAPLUS on STN (Columbus, OH, USA), No. 99:18444. COUCOUVANIS, D. 'The chemistry of the Fe-M-S [iron-metal-sulfur] complexes'. Abstract. Nitrogen Fixation: ChemBiochemGenet. Interface, [Proc. Int. Meet.] 1983, Meeting Date 1981, 211-43.					
Further	documents are listed in the continuation of Box C.	See patent family annex.				
	pecial categories of cited documents:	"T" later document published after the	international filing date or			
"A" document	defining the general state of the art which is not considered to icular relevance	priority date and not in conflict wi understand the principle or theory "X" document of particular relevance;	th the application but cited to underlying the invention			
date	plication or patent published on or after the international filing	considered novel or cannot be consisted when the document is taken al	idered to involve an inventive			
	which may throw doubts on priority claim(s) or which is cited sh the publication date of another citation or other special reason ied)	"Y" document of particular relevance; to considered to involve an inventive combined with one or more other a	step when the document is uch documents, such			
"O" document	referring to an oral disclosure, use, exhibition or other means	combination being obvious to a pe				
	published prior to the international filing date but later than the	"&" document member of the same pate	nt family			
Date of the actual completion of the international search Date of mailing of the international search report						
17 September 2003 (17.09.2003)						
Mail Com P.O Alex	tiling address of the ISA/US I Stop PCT, Attn: ISA/US Insissioner for Patents Box 1450 candria, Virginia 22313-1450 . (703)305-3230	Authorized officer Alon Pryor Telephone No. 703 308-1235				

Form PCT/ISA/210 (second sheet) (July 1998)